

Claims

1. Connecting element for insertion into the ends of at least two hollow sections
of different cross-section, in particular middle nodes for an instrument panel
transverse beam in automobile manufacture,
- 5 characterised in that,
- a push-fit body (22, 22_a to 22_f) is shape-formed by way of extrusion on a
frame (30, 30_a) with side walls (32) extending in the direction x of insertion,
10 whereby the push-fit body is of smaller cross-section than the frame and
contains lengths of the frame walls.
2. Connecting element according to claim 1, characterised in that the frame
15 (30, 30_a) surrounds the push-fit body (22, 22_a to 22_f).
3. Connecting element according to claim 1 or 2, characterised in that the
push-fit body ((22, 22_a to 22_f) forms a corner (31) of the frame (30, 30_a).
- 20 4. Connecting element according to one of the claims 1 to 3, characterised in
that a frame bracket (40) is formed onto the frame (30, 30_a) on the outside of
one side wall (32_f).
5. Connecting element according to claim 4, characterised in that the frame
25 bracket arms (42) on the frame (30, 30_a) are aligned with parallel side walls
of the frame.
6. Connecting element according to one of the claims 1 to 5, characterised in
that a sleeve (38) for a bolt is provided, in particular integrally shape-formed,
30 at two opposite lying corners (31_a and 41) within the frame (30, 30_a) or in the
frame bracket (40).
7. Connecting element according to one of the claims 1 to 5, characterised in
that the push-fit body (22, 22_a, 22_d) projects out of one side of the frame (30,
35 30_a) in the direction of insertion (x).

10058603.012802

8. Connecting element according to one of the claims 1 to 7, characterised in that the frame (30, 30_a) projects on one side in the direction of insertion beyond a plane (E) defined by an outer edge (46) of the frame bracket (40).
- 5 9. Connecting element according to claim 8, characterised in that on the other side of the frame bracket (40) the push-fit body (22_d) projects beyond a plane (E) defined by its other outer edge (46).
- 10 10. Connecting element according to at least one of the above claims, characterised by way of at least one of the features revealed in the drawing and/or description.
- 15 11. Connecting element according to at least one of the above claims, characterised by way of a combination of at least two of the features revealed in the drawing and/or description.

10058603-012802

add
A12)